

## Koch, Kristine

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**From:** Jennifer Woronets <jworonets@anchoragea.com>  
**Sent:** Wednesday, September 24, 2014 10:55 AM  
**To:** Koch, Kristine  
**Cc:** Amanda Shellenberger; Bob Wyatt; Carl Stivers; Jennifer Woronets; Jim McKenna (jim.mckenna@verdantllc.com); King, Todd W.; Mullin, Jeanette; Patty Dost; Scott Coffey (coffeyse@cdmsmith.com); Sheldrake, Sean  
**Subject:** RE: Portland Harbor - LWG response to EPA comments on LWG core profile maps

Kristine,

The following email is provided on behalf of Carl.

Kristine – Please see our responses to your comments on the core profile maps. We are working on revising the PCB core profile maps consistent with these responses, subject to a few EPA clarifications, and will resubmit the profile maps to EPA soon.

1. EPA Comment: Please proceed with developing similar core profile maps (incorporating EPA comments below) for the other focused COCs.
  - a. LWG Response: Per our cover email of September 3, the LWG intends to generate core profile maps for the other COCs once RAL issues for these COCs are resolved or EPA issues a draft of FS Section 3. This avoids extensive rework of the maps for these other COCs should EPA make changes to the RALs.
2. EPA Comment: For SDUs with more than one map, the map should have an inset of the SDU with an outline over the featured area, so we know the map's location in the SDU.
  - a. LWG Response: We will add these insets to the next version of the PCB profile maps.
3. EPA Comment: It is unclear why the figure legend states "elevation change", e.g. "maximum elevation change". Why isn't it just max or min elevation?
  - a. LWG Response: For the maps, the figure is showing elevation change. That is, the maps show whether the elevation in a particular location increased or decreased over the time frame. This is the same as the Tittabawassee River example that EPA cited with the request. We could change this wording to terminology EPA specifies if that would help clarify the figure. For the core profile legend, we can change the PCB figures to read "minimum observed bed elevation" and "maximum observed bed elevation", which is a better description of what is shown.
4. EPA Comment: The core symbols and labels are missing in the top bathymetry panels for SDU RM9W figures and some of the Swan Island figures.
  - a. LWG Response: We will update the maps to reflect this edit.
5. EPA Comment: Present polygon outlines in the top bathymetry panels representing the areas for RALs B through G using the color coding in the Legend.
  - a. LWG Response: This was not part of the original request. However, we can add PCB RAL contours to the PCBs figures based on RALs B through G. By "polygons", we assume that EPA is requesting Natural Neighbor contour outlines for the specified PCB RAL series. If not, please clarify.
6. EPA Comment: Identify in the bottom core profile panel what RALs each core fits within.
  - a. LWG Response: This was not part of the original request. We believe EPA is requesting that the core profile be identified by the surface RAL contour it resides within. For example, if a particular core lay within an area between surface sediment contours of 1000 ppb (RAL B) and 750 ppb (RAL C), the core would be labeled "RAL C" indicating the surface sediment concentrations in this area are above RALs G, F, E, D, and C, but not above RAL B. If EPA's comment intended something else, please clarify. Note that this labeling will take some time to accomplish because we will need to apply the RAL contours to this GIS map set, conduct queries in GIS for each core, and then enter those results into the figures.

7. EPA Comment: The last page for SDU RM11E should be broken up into additional pages. As currently presented, the core profiles are still too dense and do not line up well with the position of the cores shown in the map panels above.
  - a. LWG Response: We tried to balance providing a sufficiently high resolution for each map with placing each map on a consistent scale. We can break SDU RM11E into additional pieces by reducing the scale, but please note the new scale will be different from the scale for the other SDUs. Please verify this is what EPA desires.

Thanks.

Carl

Please let us know if you have any questions.

Thank you,  
Jen Woronets ☺  
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**From:** Koch, Kristine [mailto:[Koch.Kristine@epa.gov](mailto:Koch.Kristine@epa.gov)]  
**Sent:** Wednesday, September 17, 2014 9:54 AM  
**To:** Bob Wyatt; Jim McKenna ([jim.mckenna@verdantllc.com](mailto:jim.mckenna@verdantllc.com))  
**Cc:** Jennifer Woronets; Sean Sheldrake; Amanda Shellenberger  
**Subject:** Portland Harbor - EPA comments on LWG core profile maps

Bob and Jim,

The following is a list of comments based on a review by EPA and their technical team of the core profile maps for Total PCBs provided by LWG on September 3, 2014. We appreciate the effort that went into developing and presenting this work product. It provides a useful summary of the subsurface contamination within the areas of primary concern.

1. Please proceed with developing similar core profile maps (incorporating EPA comments below) for the other focused COCs.
2. For SDUs with more than one map, the map should have an inset of the SDU with an outline over the featured area, so we know the map's location in the SDU.
3. It is unclear why the figure legend states "elevation change", e.g. "maximum elevation change". Why isn't it just max or min elevation?
4. The core symbols and labels are missing in the top bathymetry panels for SDU RM9W figures and some of the Swan Island figures.
5. Present polygon outlines in the top bathymetry panels representing the areas for RALs B through G using the color coding in the Legend.
6. Identify in the bottom core profile panel what RALs each core fits within.
7. The last page for SDU RM11E should be broken up into additional pages. As currently presented, the core profiles are still too dense and do not line up well with the position of the cores shown in the map panels above.

Please contact me if you need clarification on any of the above comments. Also, please provide an email response addressing the question under #3 above and confirming the LWG agrees to incorporate these comments into revised core profile maps for Total PCBs and the maps to be developed for the other focused COCs.

Regards,

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